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BIOECONOMY



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## Agenda

# Challenges and opportunities of the bioeconomy at regional level

*Implementing strategic measures to overcome current regional bioeconomy challenges.*

Date: 23rd – 24th June 2020

Online event

### Tuesday, June 23rd, 2020: Symposium – Bioeconomy in Central Germany region

Time	Subject
9:00 – 9:15	<p><b>Opening and Welcome</b> <i>DBFZ Deutsches Biomasseforschungszentrum</i> <i>Dr. Nora Szarka</i></p>
9:15– 9:25	<p><b>Keynote speaker: The German Bioeconomy Strategy and its political relevance</b> <i>Projektträger Jülich – on behalf of the Federal Ministry of Education and Research (BMBF), Germany.</i> <i>Dr. Dieter Konold</i></p>
9:25 – 9:30	<i>Interaction with attendants</i>
9:30 – 9:45	<p><b>Bioeconomy in Central Germany – “Status quo”</b> <i>Bioeconomy Cluster e.V</i> <i>Prof. Dr. Matthias Zscheile</i></p> <p><i>A short overview of the bioeconomy in the three regions conforming the Central Germany region (Sachsen, Sachsen-Anhalt, Thuringia), follow by best cases of innovation and industry in the region.</i></p>
9:45 – 11:00	<p><b>Best business and innovation cases:</b> <i>What are the factors that have played a role to impulse the regional bioeconomy initiatives? What steps ahead should be given to strengthen regional value chains and consolidate the bio-based economy?</i></p> <p><i>These questions will be approach by looking at several regional best cases, through different bio-based value chains in industrial and applied research innovations in the Central German region. Sharing with other EU-regions the progress on areas such as, biochemical,</i></p>

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Time	Subject
(9:45 – 10:00)	<p><i>biomaterials, bioenergy and food-feed products. This will open the discussion of the conference towards the measures to overcome current regional bioeconomy challenges throughout EU regions.</i></p> <p><b>Amynova Polymers GmbH</b> <b>Bernhard Sack, Managing Director.</b></p> <ul style="list-style-type: none"> <li>➤ <i>Since its foundation in 2006 by Dr. Käsebier, Amynova Polymers develops innovative processes for the homogeneous modification of starches and flours. These biopolymers have various innovative properties and can be used, for example, as barrier-forming coatings in packaging papers or as biological adhesives to increase the efficiency of crop protection products in agricultural applications. New product development for other areas of application such as coating packaging papers, encapsulation of active ingredients in cosmetics, human and veterinary medicine, new waterproof coatings for wood, buildings and metals as well as innovative adhesives are being driven forward. Currently the products from Amynova Polymers are listed in the FiBL list (Research Institute of Organic Farming) and therefore approved for organic farming. So far successful in rapeseed, corn, cereals, peas, potato, asparagus, greens, wine and fruits.</i></li> </ul>
(10:00 – 10:20)	<p><b>Madebymade GmbH</b> <b>Jonas Finck, Founder.</b></p> <ul style="list-style-type: none"> <li>➤ <i>The SME based in Leipzig, Saxony has achieved a high-quality, industrially produced insect protein that serves as a substitute for fish meal and soya from the larvae of the "black soldier fly". The larvae of this fly offers excellent conditions for obtaining the protein converting almost all organic residues into high-quality proteins and fats. These high-quality, sustainably obtained substances can be produced cost-effectively on an industrial scale and can thus be used worldwide as a recycling source of residual materials and as a source of animal protein.</i></li> </ul>
(10:20 – 10:40)	<p><b>Technical University Dresden – Chair of timber engineering and construction design</b> <b>Prof. Dr. Ing. Peer Haller</b></p> <ul style="list-style-type: none"> <li>➤ <i>Fibre-reinforced shaped wood profiles and shells. An innovative process developed by Prof. Dr.-Ing. Peer Haller, Dipl.-Ing. Jörg Wehsener and Dipl.-Ing. Sonja Ziegler from the Technical University of Dresden, winner of the German High Tech Champions Award of 2013.</i> <i>By compressing the wood cell structure, the boards become very elastic and load bearing - they do not break as easily as conventionally worked wood. In addition, they can be reinforced with synthetic fibres afterwards, making them even more stable and weatherproof. This opens up a wealth of new areas of application in construction and architecture, in lightweight construction and plant engineering as well as in transport and design.</i></li> </ul>
(10:40 – 11:00)	<p><b>Qmilkfiber (Biomaterials)</b> <b>Dr. Anke Domaske, Founder</b></p> <ul style="list-style-type: none"> <li>➤ <i>QMILK is a pioneer in sustainable production of fibres and cosmetics based only on renewable raw materials and non-consumable milk proteins. The company strives for sustainable production, without any chemical additives and low use of water and energy. The milk used as raw material is collected from old, sour milk or un-used by-products that would be completely discarded in any other case.</i></li> </ul>

Time	Subject
11:00 – 11:15	Short coffee break
11:15 – 11:25	<i>Interaction with attendants</i>
11:25 – 11:40	<b>MoreBio – Model region of the bioeconomy.</b> Analysing and preparing structural changes in coal regions: Tapping the potential of new value creation for the development of strong bioeconomy regions. <b>DBFZ Deutsches Biomasseforschungszentrum</b> <i>Martin Graffenberger - Romy Brödner</i>
11:40 – 11:55	<b>Best case example of circular bioeconomy – Ecospray:</b> R&D and registration of biobased plant protection products <i>Dr. Murree Groom.</i>
11:55 – 12:10	<b>Key sustainability issues for implementing bioeconomy regions –</b> A series of bioeconomy networks have been assessed from an integrated life cycle perspective. We will discuss the key aspects for implementing the bioeconomy at a regional level. <b>Helmholtz-Zentrum für Umweltforschung - UFZ</b> <i>Dr. Alberto Bezama</i>
12:05 – 12:10	<i>Interaction with attendants.</i>
12:10 – 13:00	<b>Panel discussion – Challenges of bioeconomy acceleration at regional level</b> <i>Moderator: Dr. Alberto Bezama, Helmholtz-Zentrum für Umweltforschung - UFZ</i>  <i>Panellist:</i> <ul style="list-style-type: none"> <li>- <i>Prof. Dr. Lotze-Campen, Potsdam Institute for Climate Impact Research (PIK)</i></li> <li>- <i>Mr. Joachim Schulze, Chairman of the Bioeconomy Cluster e.V board</i></li> <li>- <i>Mr. Flavio Conti, Policy officer at the European network for rural development (ENRD)</i></li> </ul>
13:00	<b>Final words – closure of the event.</b>

### Wednesday, June 24th, 2020: Workshop: Overcoming regional bioeconomy challenges.

Time	Subject
9:00 – 9:15	Opening and Welcome <b>DBFZ Deutsches Biomasseforschungszentrum</b> <i>Nora Szarka – Laura García</i>
9:15 – 9:30	<b>Key Note speaker: Overcoming the challenges of bioeconomy regions</b> <b>National Biomass Association – Bulgaria</b> <i>Prof. Dr. Anna Aladjadjyan</i>

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Time	Subject
9:30 – 11:00	<p><b><u>Workshop session – Overcoming regional bioeconomy challenges based on collective experiences and knowledge.</u></b></p> <p><b>Goal:</b> Discuss with attendants specific type of measures to overcome the diverse challenges of regional bio-based value chains. Identifying the effectivity of regional bioeconomy strategies as a coordination tool for the required impulse measures.</p> <p><b>Target group:</b> regional administration representatives, bio-based industries of all sizes including SMEs and start-ups, investors, academia, R&amp;D+i.</p> <p><b>Expected results:</b> A list of priority strategic actions to boost the regional bioeconomy and overcome current collective challenges at the level of industry, market entry of bio-based products, cooperation between research and industry, legislative restrictions, between others.</p> <p>Equally, the discussion between stakeholders will serve to identify best cases for the application of a regional bioeconomy strategy, as well as good examples of regional bioeconomy impulse through other regional mechanisms.</p>
11:00 – 11:15	Short coffee break
11:15 – 11:35	<p><b>Summary of workshop results and conclusions</b></p> <p><i>Moderator: Laura García</i></p>
11:35 – 11:45	<b>Feedback of workshop session</b>
11:45 – 12:00	<b>Final words – closure of the event.</b>